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Patent PD-200181 Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen et al.

Serial No.:

09/844,401

Filing Date:

April 27, 2001

For: LAYERED MODULATION FOR DIGITAL

SIGNALS

Group Art Unit: 2611

Examiner:

BAYARD, Emmanuel

I hereby certify that this correspondence is being facsimile transmitted to (571) 273-2885 (Issue Fee Facsimile Number)

addressed to:

Mail Stop Issue Fee Commissioner for Patents

P. O. Box 1450

Alexandria VA 22313-1450

on the date indicated below.

Georganh S. Grunebach (Name of person signing certificate)

Date: January 10, 2007

ISSUE FEE DUE: JANUARY 17, 2007

REQUEST FOR CONSIDERATION OF PREVIOUSLY FILED INFORMATION DISCLOSURE STATEMENT

Mail Stop Issue Fee Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Applicants respectfully request consideration of the enclosed Information Disclosure Statements which were previously filed in the present application on October 18, 2006, October 23, 2006 and December 4, 2006, respectively.

The enclosed Information Disclosure Statement dated October 18, 2006 (EXHIBIT A) was mailed via first class mail to the Office on October 18, 2006 and received by the Office on October 23, 2006, as evidenced by the return date-stamped postcard. The statement was timely filed under 37 C.F.R. §1.97(d) with payment of the fee set forth in §1.17(p).

Serial No. 09/844,401......Page 2

The enclosed Information Disclosure Statement dated October 23, 2006 (EXHIBIT B) was mailed via first class mail to the Office on October 23, 2006 and received by the Office on October 26, 2006, as evidenced by the return date-stamped postcard. The statement was timely filed under 37 C.F.R. §1.97(d) with payment of the fee set forth in §1.17(p).

The enclosed Information Disclosure Statement dated December 4, 2006 (EXHIBIT C) was facsimile transmitted to the Office on December 4, 2006 and received by the Office on December 4, 2006, as evidenced by Auto-Reply Facsimile Transmission and the date-stamped RECEIVED CENTRAL FAX CENTER DEC 04 2006 of the Information Disclosure Statement and substitute form PTO 1449 enclosed herewith. The statement was timely filed under 37 C.F.R. §1.97(d) with payment of the fee set forth in §1.17(p).

Accordingly, Applicants respectfully submit that these Information Disclosure Statements should be fully considered, and the accompanying PTO 1449 forms, initialed by the Examiner.

Applicants believe that no fee is required in connection with this communication. If a fee is due, the Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Deposit Account No. 50-0383 of Hughes Electronics Corporation, El Segundo, California.

Favorable consideration is respectfully requested, and if the Examiner believes that there are any unresolved issues, Applicants request that the Examiner telephone the undersigned so that appropriate arrangements can be made for resolving such issues as expeditiously as possible.

Respectfully submitted

By:

Georgan S. Grunebach, Reg. No. 33,179

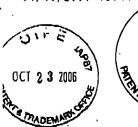
The DIRECTV Group, Inc. CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

January 10, 2007

IM

2611





Patent PD-200181 Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen

Serial No.: 09/844,401 Filed: April 27, 2001

For: LAYERED MODULATION FOR

DIGITAL SIGNALS

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Mail Stop AF, Commissioner for

Patents P. O. Box 1450, Alexandria, VA

223/13/1450/ op the date below:

Georgann S. Grunebach

Typed or printed name of person signing certificate

Group Art Unit: 2611

Examiner: Emmanuel Bayard

Date: October 18, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 (d) WITH FEE AS SET FORTH IN §1.17(p)

Mail Stop AF Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The references were cited in the European Search Report, date of communication being September 29, 2008, in the counterpart European patent application of related U.S. patent application serial number 10/532,631 filed April 25, 2005.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

10/23/2006 RFEKADU1 00000036 500383 09844401

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Certification Under 37 C.F.R. §1.97(e)

Each item of information contained in the information disclosure statement was first cited in a communication from the European patent office in the counterpart foreign application of a related application not more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. §1.97(e)(1)).

PAYMENT OF FEE SET FORTH IN §1.17(p)

Please charge Deposit Account No. <u>50-0383</u> of Hughes Electronics Corporation, El Segundo, California, in the amount of <u>\$180.00</u>. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to that account. **This form** is being submitted in duplicate.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:

Seorgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc. CA/LA1/A109
P. O. Box 956
El Segundo, CA 90245

Telephone No. (310) 964-4615

October 18, 2006

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INFORMAT	TION DISCLOSURE	Application Number	09/844,401
STATEMENT BY APPLICANT		Filing Date	04/27/2001
STATEMENT DI APPLICANT		First Named Inventor	Ernest Chen
		Art Unit	2611
		Examiner Name	BAYARD, Emmanuel
Date:	October 18, 2006	·	
Sheet 1 of	1	Attorney Docket Number	PD-200181

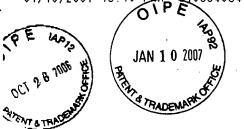
			J.S. PATENT DO	CUMENTS	
Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-2002/006795	01-2002	Norin et al.	
		US-6,333,924	12-2001	Porcelli et al.	
		US-2001/012322	08-2001	Nagaoka et al.	

		FORE	IGN PATENT	DOCUMENTS		
Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
,		WO 2005/086444	09-2005	Thomson Licensing S.A.		
		WO 2005/074171	08-2005	Qualcomm Incorporated		
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Examiner	Date	e
Signature	Cons	nsidered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





Patent PD-200181 Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Ernest C. Chen

Serial No.: 09/844,401 April 27, 2001 Filed:

For: LAYERED MODULATION FOR

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mail in an envelope addressed to:

Mail Stop AF, Commissioner for

Patents, P. O. Box 1450, Alexandria, VA 22313-1450, pn the date below:

rgann S. Grunebach

Typed or printed name of person signing certificate

Group Art Unit:

2611

Examiner:

Emmanuel Bayard

Date: October 23, 2006

SUPPLEMENTAL DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 (d) WITH FEE AS SET FORTH IN §1.17(p)

Mail Stop AF Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

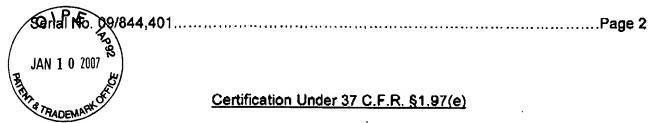
The reference cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and is, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

The reference was cited in an Examiner's Answer dated August 9, 2006, in related patent application serial number 10/165,710 filed June 7, 2002.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the issue fee as set forth in 37 C.F.R. § 1.97(d).

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Each item of information contained in the information disclosure statement was first cited in a communication from the European patent office in the counterpart foreign application of a related application not more than three months prior to the filing of the information disclosure statement (certification under 37 C.F.R. §1.97(e)(1)).

Certification Under 37 C.F.R. §1,97(e)

PAYMENT OF FEE SET FORTH IN §1.17(p)

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This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfull@submitted

Seorgann S. Grunebach, Reg. No. 33,179

The DIRECTV Group, Inc. CA/LA1/A109 P. O. Box 956 El Segundo, CA 90245

Telephone No. (310) 964-4615

October 23, 2006

Substitute for torm PTO/SBARRA	Con	plete if Known
INFORMATION DISCLOSURE	Application Number	09/844,401
CANTERENT BY APPLICANT	Filing Date	April 27, 2001
STATEMENT BY APPLICANT	First Named Inventor	Ernest C. Chen
2000	Art Unit	2611
OC1 2 6 7008 W	Examiner Name	BAYARD, Emmanuel
Shetman October 23, 2006		
Sheephoop	Attorney Docket Number	PD-200181

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Examiner Initials*	Cite No.	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
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	NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volumne-issue number(s), publisher, city and/or country where published.	Τ.	
		THE AUTHORITIVE DICTIONARY OF IEEE STANDARDS TERMS; Seventh Edition, pp. 1047 ~ definition of "signal"		

Examiner		Date	
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Signature		Considered	
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PAGE 1/001 Fax Server

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Received Cover Page

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		COVER SHEET	-		
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		pup Art Unit: 2811		}	
		miner: BAYARD, Emmanuel	ļ		
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Pages	1567	4r+2+2+1=B	Date:	December 4, 2006	
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Attention:	Mail Stop AF Group Art Unit: 2611 Examiner: BAYARD, Emmanuel	Fax:	
UNITED ST	ATES PATENT AND TRADEMARK OFFICE	Phone;	(571) 272-3016
Pages:	Cover + 2 + 2 + 1 = 6	Date:	December 4, 2006
From:	Georgann S. Grunebach	Fax:	(310) 964-0941
	Assistant General Counsel	Phone:	(310) 964-4615

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Telephone No. (310) 964-4616

Ceorgann 6. Grunebach, Reg. No. 53,179 (Printed Name of Person Signing Certificate)

December 4, 2008 (Date of Signature)

Attention: Commissioner for Patents

Attorney Docket No. PD-200181

Please find attached Re:

Serial No.:

09/844,401

Filing Date: April 27, 2001

- INFORMATION DISCLOSURE STATEMENT (2 pages in duplicate) ➣
- ٧ SUBSTITUTE FORM PTO/SB/08B (1 page)
- NON-PATENT LITERATURE (2 pages)

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PAGE 1/6 * RCVD AT 12/4/2006 7:55:11 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-5/10 * DNIS:2738300 * CSID:3109640941 * DURATION (mm-ss):00-58

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Patent PD-200181 Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Emest C. Chen

Serial No.: 09/844.401 April 27, 2001

For: LAYERED MODULATION FOR

DIGITAL SIGNALS

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being facsimile transmitted to (571) 273-8300 (Centralized FacsImIle Number) and

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Mall Stop AF, Commissioner for

Patents, P. O. Box 1450, Alexandria, VA

223/3,4450, on the pate below:

<u>Georgánn S. Grunebach</u>

Typed or printed name of person signing certificate

Group Art Unit: 2611

Filed:

Examiner: Emmanuel Bayard

Date: December 4, 2005

SUPPLEMENTAL DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97 (d) WITH FEE AS SET FORTH IN §1.17(p)

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The reference was cited in a Notice of Allowance dated November 21, 2006, in related U.S. patent application serial number 10/532,509 filed April 25, 2005.

This statement should be considered because it is submitted after the period specified under 37 C.F.R. §1.97(c), but filed on or before payment of the Issue fee as set forth in 37 C.F.R. § 1.97(d).

12/04/2006 17:57 FAX 3109640941

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Ø 003/006

DEC 0 4 2006

Serial No. 09/644,401.....

Page 2

Certification Under 37 C.F.R. §1.97(e)

No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in § 1.56 (c) more than three months prior to the filling of the information disclosure statement (certification under 37 C.F.R. § 1.97 (e)(2)).

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Telephone No. (310) 964-4615

December 4, 2006

JAN 1.0 2007.

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Substitute for form PTO/SB/08A	Con	nplete if Known
INFORMATION DISCLOSURE	Application Number	09/844,401
STATEMENT BY APPLICANT	Filing Date	April 27, 2001
O'MILINEITI BI ALI BIOMITI	First Named Inventor	Ernest C. Chen
	Art Unit	2611
	Examiner Name	BAYARD, Emmanuel
Date: December 4, 2006		
Sheet 1 of 1	Attorney Docket Number	PD-200181

Examiner Initiala	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-6,369,648	04-2002	Kirkman, George F.	·
		US-6,477,398	11-2002	Mills, Randell L.	
		US-3,076,180	01-1963	Havens et al.	
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FOREIGN PATENT DOCUMENTS								
Exeminer Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T		
	·							

Examiner Signature	Date Conside	red

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

JAN 1 0 2007

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P.O. Box 1450

Alexandria, VA 22313-1450

Pages: Cover +2 + 3 + 3 + 5 = 14

From: Georgann S. Grunebach

Assistant General Counsel

Fax: (571) 273-2885

Date: January 10, 2007

Fax: (310) 964-0941

Phone: (310) 964-4615

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I hereby certify that the correspondence identified above is being facsimile transmitted to (571) 273-2885 (Office Facsimile Number for ISSUE FEE), on January 10, 2007, addressed to Atlention: Ma Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

S. Grunebach, Reg. No. 33,179

January 10, 2007 (Date of Signature)

rinted Name of Depositor)

Attention: Commissioner for Patents, Mail Stop Issue Fee

Please find attached Re:

Attorney Docket No. PD-200181

Serial No.:

09/844,401

Filing Date: April 27, 2001

ISSUE FEE DUE: JANUARY 17, 2007

- REQUEST FOR CONSIDERATION OF PREVIOUSLY FILED INFORMATION DISCLOSURE STATEMENTS (2 pages)
- EXHIBIT A INFORMATION DISCLOSURE STATEMENT DATED OCTOBER 18, 2006 (3 pages)
- > EXHIBIT B INFORMATION DISCLOSURE STATEMENT DATED OCTOBER 23, 2006 (3 pages)
- > EXHIBIT C INFORMATION DISCLOSURE STATEMENT DATED DECEMBER 4, 2006 (5 pages)

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